

**/ Descriptions**

TO-92          PNP          Silicon PNP transistor in a TO-92 Plastic Package.

**/ Features**

High voltage.

**/ Applications**

High voltage control circuit application.

**/ Equivalent Circuit**



**/ Pinning**



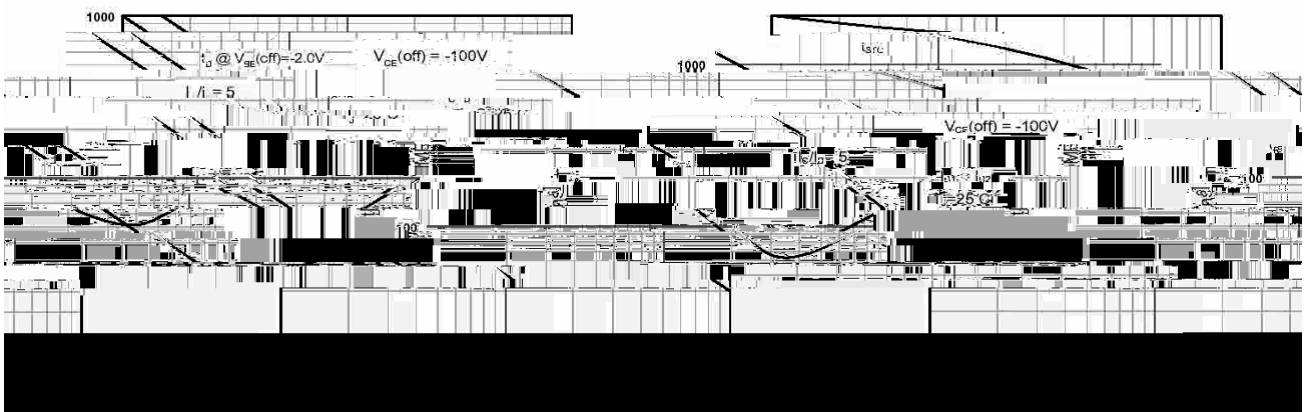
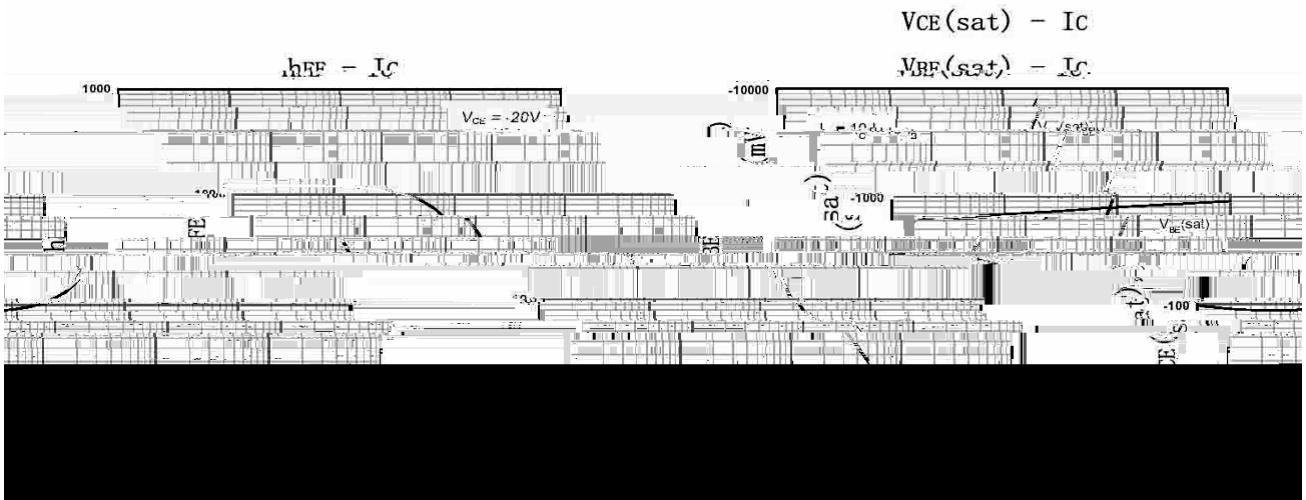
**1 2 3**  
PIN1 Collector          PIN 2 Base          PIN 3 Emitter

**/ h<sub>FE</sub> Classifications & Marking**

See Marking Instructions.

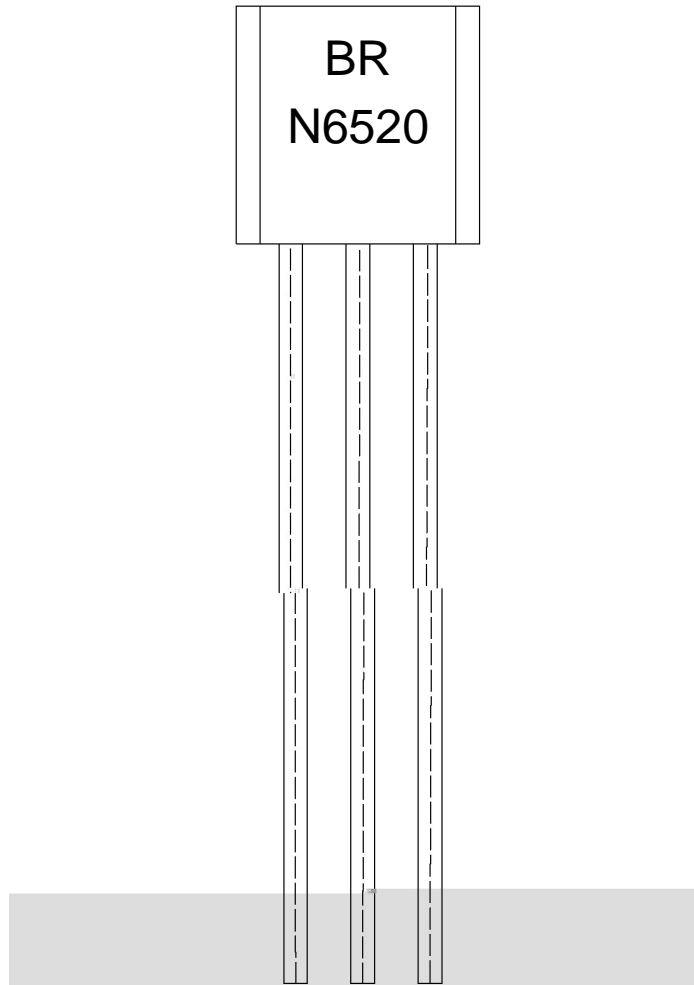
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-350	V
Collector to Emitter Voltage	$V_{CEO}$	-350	V
Emitter to Base Voltage	$V_{EBO}$	-5.0	V
Collector Current - Continuous	$I_C$	-500	mA
Base Current - Continuous	$I_B$	-250	mA
Collector Power Dissipation	$P_C$	625	mW
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

/ Electrical Characteristic Curve



**2N6520**

/ Marking Instructions



BR

N 6520

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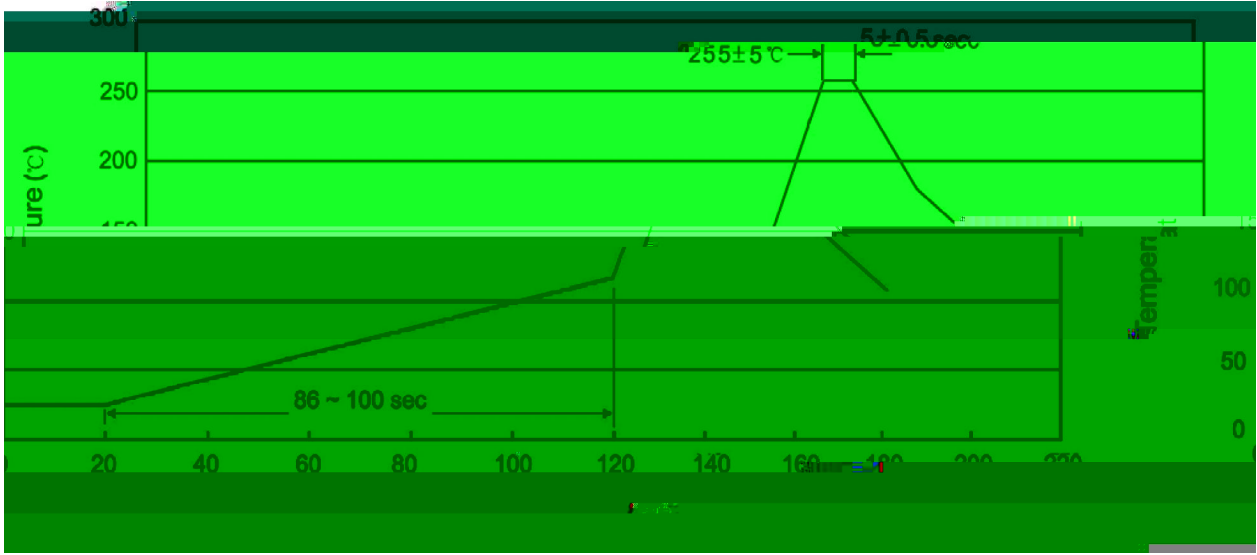
Note:

BR: Company Code.

N6520: Product Type.

\*\*\*\*: Lot No. Code, code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)



- |   |       |     |    |           |       |   |
|---|-------|-----|----|-----------|-------|---|
| 1 | 25    | 150 | 60 | 90sec;    | Note: | 1.Preheating:25~150 , Time:60~90sec.    |
| 2 | 255±5 |     |    | 5±0.5sec; |       | 2.Peak Temp.:255±5 , Duration:5±0.5sec. |
| 3 |       |     | 2  | 10 /sec.  |       | 3. Cooling Speed: 2~10 /sec.            |

/ Resistance to Soldering Heat Test Conditions

270±5                      10±1 sec.                      Temp.:270±5